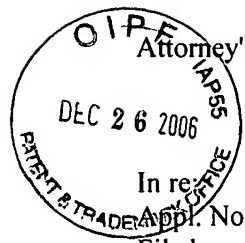


IFW

PATENT



Attorney's Docket No. 038190/269367

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:	Bing-Chung Chen, et al.	Confirmation No.:	3688
App. No.:	10/766,177	Group Art Unit:	2128
Filed:	January 28, 2004	Examiner:	Russell W. Frejd
For:	COMPOSITE STACKING SEQUENCE OPTIMIZATION FOR MULTI-ZONED COMPOSITES		

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97(c)

Sir:

Attached is a list of documents on form PTO-1449 along with a copy of any cited foreign patent documents and non-patent literature document in accordance with 37 CFR 1.98(a)(2). Also enclosed is a translation or a concise explanation of each non-English language document.

It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By identifying the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead identifying the listed documents for the sake of full disclosure.

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. § 1.97(c), before final Office Action or Allowance, whichever is earlier.

A check for the \$180.00 fee specified in 37 C.F.R. § 1.17(p) is enclosed. The Commissioner is authorized to charge any additional fee, or credit any refund, to our Deposit Account No. 16-0605.

Respectfully submitted,  
  
Guy R. Gosnell  
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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on December 22, 2006

Gwen Frickhoeffer

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Substitute for form 1449/PTO (Revised 04/2003)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				<b>Complete if Known</b>		
				Application Number	10/766,177	
				Filing Date	01/28/04	
				First Named Inventor	Bing-Chung Chen, et al.	
				Group Art Unit	2128	
				Confirmation No.	3688	
Examiner Name	Russell W. Warren					
Sheet	1	of	2	Attorney Docket Number	038190/269367	
<b>U. S. PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No.	<u>Document Number</u> Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear	
<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials	Cite No.	<u>Foreign Patent Document</u> Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached
	23	JP 08-229183	09/10/1996	Mizuno Corp.		*Abstract Only
Examiner Signature				Date Considered		

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

Substitute for form 1449/PTO (Revised 04/2003) <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				OIPE DEC 26 2006 COMPLETE		<b>Complete if Known</b>	
				Application Number	10/766,177		
				Filing Date	01/28/04		
				First Named Inventor	Bing-Chung Chen, et al.		
				Group Art Unit	2128		
				Confirmation No.	3688		
				Examiner Name	Russell W. Warren		
Sheet	2	of	2	Attorney Docket Number	038190/269367		
<b>OTHER DOCUMENTS</b>							
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					English Language Translation Attached
	24	A.L. Velocci, "R&D Unit Pressed to Save \$1 Billion," Aviation Week and Space Technology, May 11, 1998, pp. 75-76					
	25	E.H. Phillips, "Premier 1 Readied for First Flight," Aviation Week and Space Technology, August 31, 1998, p. 39					
	26	R. Flory and E. Bernardon, "Effect of Steering and Conformance Requirements on Automated Material Deposition Equipment," Charles Stark Draper Laboratory, Inc. technical capability document					
	27	V.P. McConnell, "Fiber-placed C-17 Landing Gear Pod Fairings Reduce Price and Parts - Carbon Fiber/Epoxy Unidirectional Towpreg," High Performance Composites, July/August 1998, pp. 48-50					
	28	B. Davidson, et al., "An Expert System for the Design and Analysis of Composite Structures", Am. Helicopter Society Conf. And Specialists Mtg. Sep. 21-23, 1993					
	29	C.M.L. Wu et al., "A knowledge based expert system for laminated composite strut design", Aeronautical Journal, Jan. 1991, pgs. 1-20					
	30	C.M.L. Wu, "Bolted joints in a laminated composite strut design expert system", Composite Structures 22, 1992, pgs. 63-85					
	31	D. Sriram et al., "Knowledge-Based Expert Systems in Structural Design", Computers & Structures, Vol. 20, No. 1-3, pgs. 1-9, 1985					
	32	J. J. Shah et al., "Analysis of design abstraction, representation and inferencing requirements for computer-aided design"					
	33	J.P.H. Webber et al., "An Expert System for Laminated Plate Design Using Composite Materials", Computers & Structures, Vol. 37, No. 6, p. 1051-1-67, 1990					
	34	D.P. Costin et al., "Optimum Design of a Composite Structure with Manufacturing Constraints", Thin-Walled Structures 17, pgs. 185-202, 1993					
	35	H. Yoshiura, et al., "Top-Down Construction of 3-D Mechanical Object Shapes from Engineering Drawings", IEEE, Dec. 1984, pgs. 32-40					
	36	T.C. Woo, "Interfacing Solid Modeling to CAD and CAM: Data Structures and Algorithms for Decomposing a Solid", IEEE, Dec. 1984, pgs. 44-49					
	37	A.A.G. Requicha et al., "Representation of Geometric Features, Tolerances, and Attributes in Solid Modelers Based on Constructive Geometry", IEEE Journal of Robotics and Automation, Vol. RA-2 No. 3, Sep. '86					
	38	Y.H. Pao et al., "Memory Driven Feature-Based Design", Interim Report Feb. 1988-Dec. 1992					
Examiner Signature					Date Considered		

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. LEGAL02/4644086v1